

PART 200
SITE PREPARATION/REMOVAL AND REPLACEMENT WORK

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SECTION 201

EXISTING IMPROVEMENTS

201.1 EXISTING OBSTRUCTIONS AND FACILITIES

Natural obstructions and publicly owned existing facilities and improvements encountered during construction shall be removed, relocated, reconstructed, or worked around as herein specified, regardless of whether or not their existence or location is shown or noted on the plans. Care shall be used while excavating, trenching, or performing other work adjacent to any facilities intended to remain in place and, except as otherwise specified, the Contractor shall be responsible for any damage to publicly and privately owned items. Any repairs required shall be promptly made at the Contractor's expense. All work in connection with removal and relocation shall be carefully done in accordance with accepted practices so as to result in the maximum salvage of materials for re-use. The Maintenance Division of the City of Wichita shall be given the opportunity to inspect and remove all salvaged materials not utilized in the relocation or reconstruction, and all salvaged materials not removed by the Maintenance Division shall be disposed of by the Contractor without additional cost to the City. Waste materials shall be disposed of in a satisfactory manner at approved locations without additional cost to the City, unless provided otherwise. No separate or additional payment will be made for any work in connection with removal, relocation, or restoration of obstructions and existing facilities unless provided otherwise by contract or plans. All pavement, curb and gutter, sidewalks, and other surface obstructions within the site boundaries shall be removed when and as directed by the Engineer.

201.2 PUBLIC AND PRIVATE UTILITIES

The locations of all utilities shown on plans represent the best information available but such locations are not guaranteed by the City. The Contractor shall make every reasonable effort to ascertain the locations of public and private utilities. The Contractor shall notify the affected parties so that proper arrangements can be made for the prompt repair and restoration of service when any utilities are unexpectedly encountered and damaged. Public and private utility facilities which interfere with construction shall be bypassed or worked around by hand excavating, tunneling, or other approved methods without additional cost to the City. Where it is not practicable to bypass or work around the facility, the Contractor shall notify the affected utility owner so that provisions for the removal or relocation of such facilities can be made. The Contractor shall notify all affected utility companies in advance of construction operations in areas where public or private utilities may be encountered.

201.3 SPRINKLER SYSTEMS

The Contractor shall notify property owners who have sprinkler systems or other improvements in conflict with the new construction. The Contractor will be required to remove such improvements, should they not be removed by the owner at the time of construction. The Contractor will be required to salvage sprinkler heads and/or valves and place in property owner's yard.

Sprinkler systems or other improvement not in conflict with the new construction shall be protected from damage and shall remain in place. All work in connection with said improvements shall be considered subsidiary to other items of work.

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SECTION 202

REMOVAL WORK

202.1 CLEARING RIGHT-OF-WAY

When the lump sum bid item clearing right-of-way becomes a part of the contract as shown by plans or contract bid items, the lump sum bid price for clearing right-of-way shall include all costs of removing obstructions; clearing trees, shrubs, vegetation and rubble; and all other necessary work to prepare the project site for new construction, regardless of whether or not the work is specifically shown on the plans. No other payment shall be made for any necessary removal and clearing work to prepare the project site for new construction when the bid item clearing right-of-way is a part of the contract unless provisions have been made for additional payment in the list of contract bid items.

202.2 HEDGE AND TREE REMOVAL

Hedge and trees designated for removal or located within the limits of construction shall be removed and disposed of as directed by the Engineer. All roots two inches (2") or larger in diameter shall be removed to a depth of two feet (2') below the bottom of structures, slabs and pavements; one foot (1') below the finished elevation of graded areas. Hedge and trees not directly interfering with construction of grading shall be carefully preserved insofar as possible.

The diameter of tree trunks shall be measured at a point three feet (3') above ground. Trees with a trunk diameter of twelve inches (12") or greater shall be considered large trees. Trees with a trunk diameter of three inches (3") or more, but less than twelve inches (12") shall be considered small trees.

Removal and disposal of all trees with a trunk diameter less than three inches (3"), all shrubs, all bushes and all vines, when directed by the Engineer, shall be considered incidental to the project.

202.3 DRAINAGE PIPE REMOVAL

All pipe shall be removed by such methods that damage to the pipe during removal operations shall be prevented. All salvageable pipe shall be transported and stored at the City Yards as directed by the Engineer. The trenches from removing pipe shall be backfilled and compacted to the specified density. Pipe having no salvage value shall be disposed of by the Contractor.

202.4 PAVEMENT REMOVAL

Existing concrete or bituminous pavement shall be removed as required or as directed to permit new construction. The pavement shall be sawed with an approved concrete saw along all removal lines that do not terminate at a joint. The saw cut shall be to a minimum depth of one-fourth of the pavement thickness. Unless approved otherwise by the Engineer, all lines of pavement removal shall be either perpendicular to or parallel with the centerline of the street or alley pavement. The pavement shall be removed in such a manner that the remaining pavement will have a straight and vertical exposed face. Broken concrete, broken bituminous pavement, and all other rubble shall be disposed of at approved locations obtained by the Contractor at no additional expense to the City. The Contractor may contact the Maintenance Division of the Department of Public Works for possible disposal locations.

202.5 COMBINED CURB AND GUTTER REMOVAL

Combined curb and gutter designated for removal shall be broken out to the nearest joint outside the limits of new construction, and all waste material shall be disposed of as specified in this section on **"PAVEMENT REMOVAL"**. The area shall then be either backfilled and compacted to the required density or further excavated as required for new construction. Removal methods shall be such so as not to fracture or damage the existing pavement.

202.6 STEPS OR RETAINING WALL REMOVAL

Concrete steps or retaining wall shall be removed and disposed of as specified in this section on **"PAVEMENT REMOVAL"**, and as shown on the plans or as directed by the Engineer. Prior to removing any steps or retaining wall on private property, the Contractor shall notify the property owner of the necessity and extent of such removal.

SECTION 203

REMOVAL AND REPLACEMENT ITEMS

203.1 ASPHALT DRIVEWAYS AND PARKING LOTS

Removal

Existing driveways and parking lots composed of asphaltic materials shall be removed to limits shown or as determined by the Engineer. The lines of removal where new construction is to join the existing asphalt mat shall be sawed as specified in this section on "**PAVEMENT REMOVAL**". Broken asphalt material shall be disposed of as specified in this section on "**PAVEMENT REMOVAL**". Prior to removing any asphalt driveways or parking lots on private property, the Contractor shall notify the property owner of the necessity and extent of such removal.

Replacement

Asphalt driveways and parking lots replaced shall be constructed in accordance with the applicable requirements of Section 405. Asphaltic materials used in construction of driveways and parking lots shall conform to the requirements specified in Subsection 405.2 for asphalt surface course (Type SC-1) and asphalt base course (BC-1).

203.2 ASPHALT SURFACE

Removal

The asphalt surface shall be removed from the base course of the pavement in such a manner to prevent damage to the existing base course. Broken asphalt surface shall be disposed of as specified in this section on "**PAVEMENT REMOVAL**". The lines of removal where new construction is to join existing asphalt surface shall be sawed as specified in this section on "**PAVEMENT REMOVAL**". Asphalt surfacing shall be removed as shown on the plans, or as directed by the Engineer, and shall include removal and disposal of the asphalt material regardless of the thickness or type of asphalt surface.

Replacement

Asphalt surface reconstructed on an existing base course shall meet the requirements specified in Subsection 405.2 for "**Asphalt Surface Course (Type SC-1)**". Asphalt surface replaced shall have an average thickness of two inches unless specified otherwise.

203.3 CONCRETE WALK, DRIVE, AND PARKING LOT REMOVAL

Removal

Existing concrete sidewalk, driveways, and parking lots designated for removal, shall be removed to the nearest construction joint outside the limits of new construction or to a sawed joint as directed by the Engineer. Prior to removal of any existing facilities on private property, the Contractor shall notify the property owner of the necessity and extent of such removal. Sawing of existing structures to facilitate removal and disposal of broken concrete shall be as specified in this section on "**PAVEMENT REMOVAL**". The removal of concrete sidewalks, driveways, and parking lots shall be as shown on the plans or as ordered by the Engineer, and shall include sawing, removal, and disposal of the concrete from the sidewalks, driveways, and parking lots regardless of thickness, including any curbs that are an integral part of the structures.

Replacement (Private Property Only)

The property owner shall have the option of replacing the sidewalk, driveway, and parking lot at his own expense; or by private contract with the Contractor or another contractor; or having it replaced by the Contractor in conjunction with and paid for as a part of the total cost of the City's project. All sidewalk, driveways, and parking lots on private property that have been installed and are to be paid for as a part of the City's contract shall be stamped by the Contractor with numbers at least one and one-half inches (1-1/2") in height indicating the thickness of the work and to distinguish it from work done by private contract. Concrete sidewalks, driveways, and parking lots replaced shall be constructed in accordance with the requirements of the applicable sections of these specifications.

All curbs constructed in conjunction with and integral to driveways and parking lots on private property shall have essentially the same shape and dimensions of the curbs they replace or curbs that may connect.

203.4 FENCES

Removal and Replacement

Prior to removal of fences on, or adjacent to, private property, the Contractor shall notify the owner of the private property a minimum of 24 hours in advance of such removal.

Existing fences shall be removed at locations as shown by plans or as ordered by the Engineer. Existing fence shall be replaced and/or relocated at locations as shown by plans or as ordered by the Engineer. Existing fence unsuitable for re-use shall be replaced with new fence of the same type. All fences shall be replaced in a condition at least equivalent to the existing fence prior to removal.

203.5 MAILBOXES

Removal, Temporary Provisions and Replacement

Prior to removal of mailboxes, the Contractor shall notify the owners and contact postal delivery authorities to arrange for the uninterrupted delivery of mail throughout the course of the project.

The Contractor shall be required to remove, temporarily reset or provide a temporary alternate and reset all mailboxes within the project limits disturbed by construction or where sufficient access for postal delivery officials cannot be supplied.

Unless otherwise included in the project specifications, all work described in this subsection shall be considered incidental to other pay items. Mailboxes and posts shall be replaced in a condition equal or better than their condition prior to removal.

SECTION 204

GRAVEL SURFACING

204.1 DESCRIPTION

Gravel surfacing shall be furnished and spread where directed by the Engineer. Gravel shall be applied to a thickness equivalent to the existing surface or as directed by the Engineer. Gravel shall be spread in two lifts; the first lift consisting of three-fourths (3/4) of the total thickness and the second lift consisting of the remainder of the total. Areas to receive gravel surfacing shall be excavated to such grades and elevations so that the edges of the new gravel surfacing, when placed as specified and to the required thickness, will be at the same elevation as the adjacent gravel surfacing or to elevations determined by the Engineer.

204.2 MATERIAL

Material for gravel surfacing shall be pit run, locally available sand-gravel conforming to the requirements for Type SA-1 or SA-2 aggregate in applicable sections of KDOT Standard Specifications. The amount of sand-gravel specified for the first lift shall be spread over the prepared subgrade, which shall be lightly scarified, and then combined with material from the subgrade until all voids in the granular material are filled. The surfacing material shall be sprinkled with sufficient water during manipulation to insure proper compaction. The combined materials shall then be spread uniformly over the subgrade and compacted with a roller until a dense and stable surface has been formed. The first lift shall be maintained in a moist condition by sprinkling with water until the second lift of sand-gravel is applied. The amount of sand-gravel specified for the second lift shall be spread uniformly over the surface of the first lift by a blade grader. No compaction will be required on the second lift other than that resulting from traffic.

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